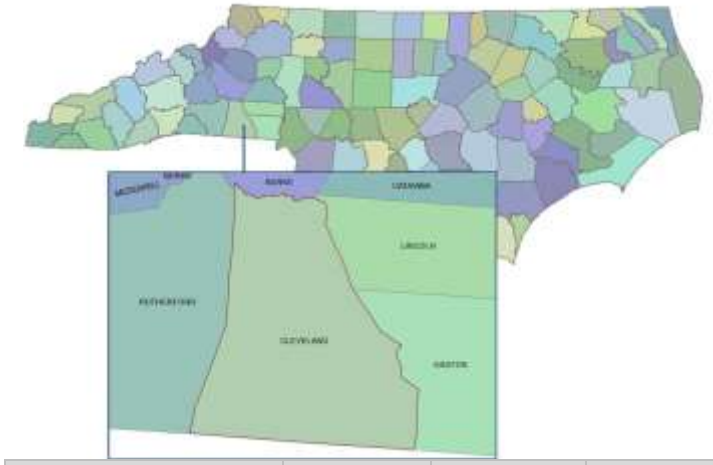

Cleveland County

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
1,2-Dibromomethane	22	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	22	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	289	0.5	35.9	2.4	10	µg/L	13	4.50%		
Barium	52	50	50	50	2,000	µg/L	0	0.00%		
Benzene	28	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	53	0.5	2.5	0.7	5	µg/L	0	0.00%		
Chromium	52	5	40	6	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	97	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	289	25	3,480.00	61.90	1,300*	µg/L	1	0.35%		
Ethylbenzene	40	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	1,112	100	3,380.00	693.70	4,000*	µg/L	0	0.00%		
Iron	288	25	53,700.00	872.20	300*	µg/L	75	26.04%		
Isopropyl Ether	22	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	311	2.5	4,128.00	17.40	15	µg/L	7	2.25%		
Magnesium	288	400	500	483.3	No drinking water standard	µg/L				
Manganese	289	15	2,460.00	43.00	50*	µg/L	41	14.19%		

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
Mercury	41	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	107	0.25	154.1	5.55	20* (recommended taste and odor threshold)	µg/L	4	3.74%		
Nitrate	73	500	7,540.00	1,376.20	10,000	µg/L	0	0.00%		
Nitrite	75	50	50	50	1,000	µg/L	0	0.00%		
pH	288	4.8	10	7.0	6.5-8.5*	standard units	4	1.39%	73	25.35%
Selenium	51	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	52	25	25	25	100*	µg/L	0	0.00%		
Sodium	35	1,300	209,000.00	21,262.90	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	91	0.25	1.3	0.26	5	µg/L	0	0.00%		
Toluene	30	0.25	9.3	1.44	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	97	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	97	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	97	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	28	0.25	3.3	0.61	10,000	µg/L	0	0.00%		
Zinc	289	25	4,330.00	148.30	5,000*	µg/L	0	0.00%		

* **Secondary MCL**: Secondary contaminants may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.[8] The **Secondary Maximum Contaminant Level (SMCL)** is a non-enforceable standard for secondary contaminants in drinking water. SMCLs may be based upon a contaminant's likelihood to cause changes to the taste, odor, or color of drinking water, or, may be based on the likelihood of the contaminant to cause technical changes such as damage to water fixtures or an increased availability of other contaminants in drinking water.[8]

Tracking and Analyzing Contaminants (TrAC) in Private Well Water in NC

UNC Superfund Research Program- Research Translation Core

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